

10661182

=> d his

(FILE 'HOME' ENTERED AT 15:32:41 ON 06 APR 2004)

FILE 'REGISTRY' ENTERED AT 15:32:52 ON 06 APR 2004

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 12 S L1 SSS FULL

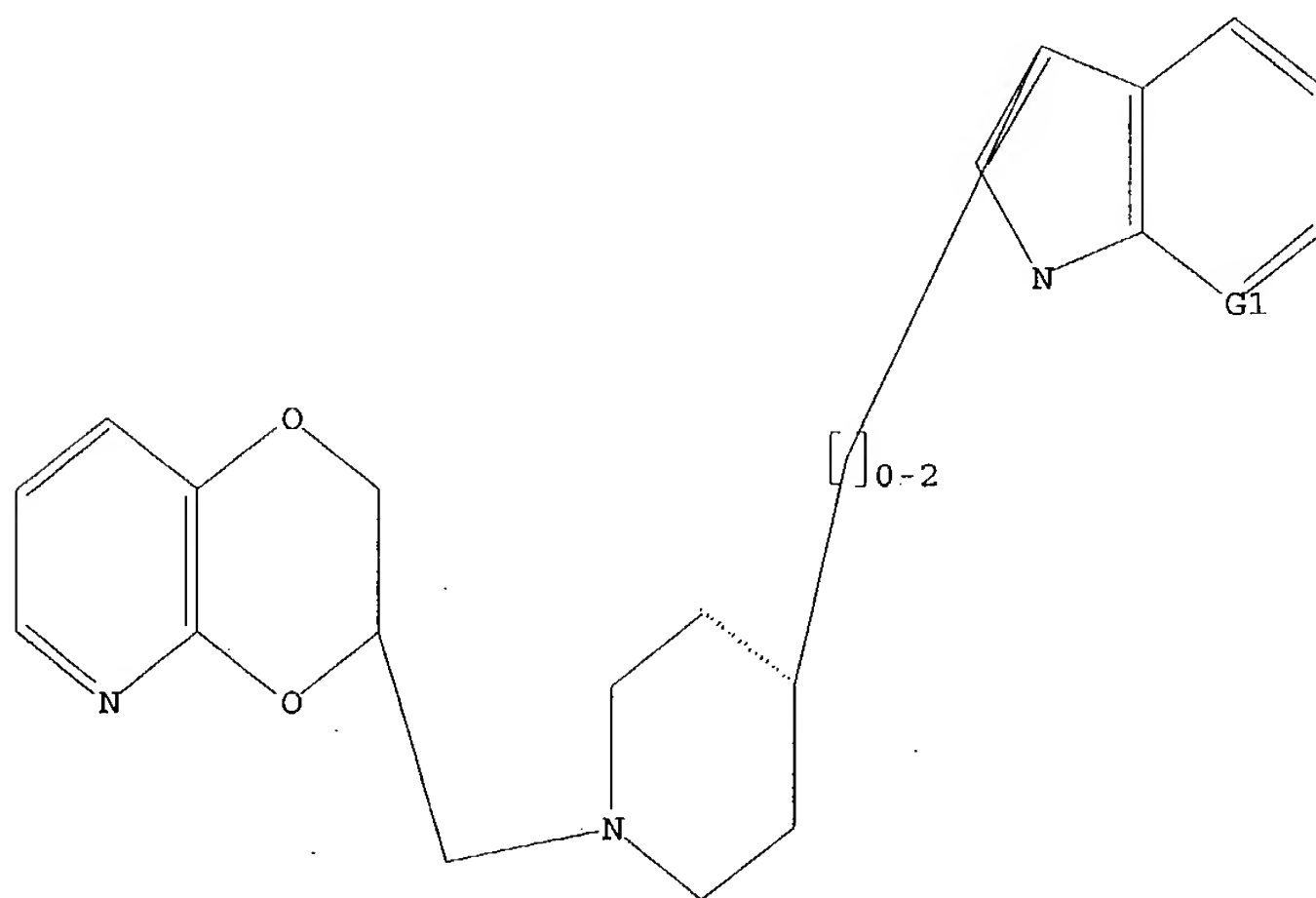
FILE 'CAPLUS' ENTERED AT 15:33:35 ON 06 APR 2004

L4 1 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



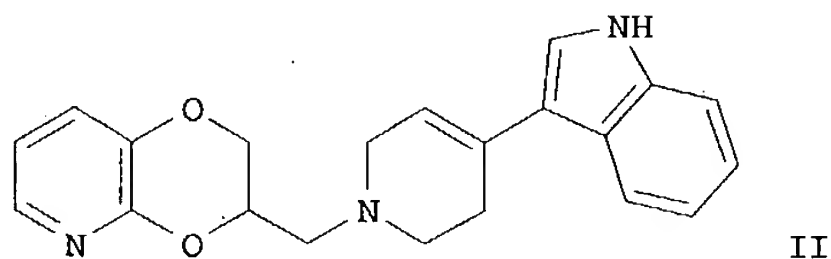
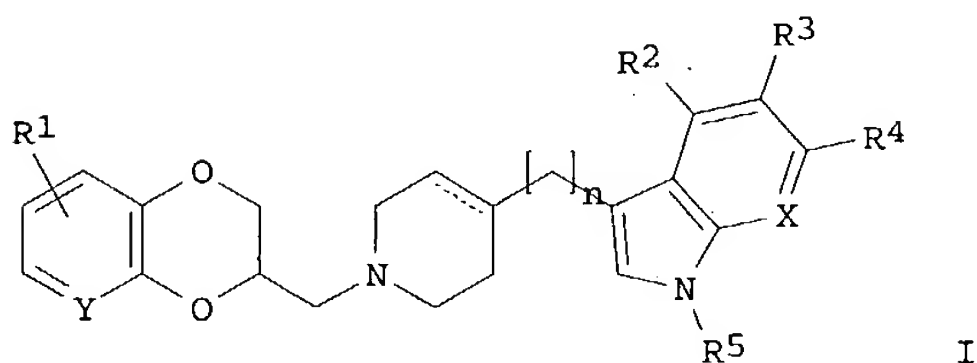
G1 C,N

10661182

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:832806 CAPLUS
DN 137:337898
TI Preparation of antidepressant azaheterocyclylmethyl derivatives of
1,4-dioxino[2,3-b]pyridine
IN Tran, Megan; Stack, Gary Paul
PA Wyeth, John, and Brother Ltd., USA
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002085911	A1	20021031	WO 2002-US12847	20020424
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002183355	A1	20021205	US 2002-127923	20020423
	US 6656950	B2	20031202		
	US 2004058953	A1	20040325	US 2003-661182	20030912
PRAI	US 2001-286301P	P	20010425		
	US 2002-127923	A1	20020423		
OS	MARPAT 137:337898				
GI					



AB The title compds. [I; R1 = H, OH, halo, etc.; R2-R4, R6 = H, halo, CN, etc.; R5 = H, alkyl; X = CR6, N; n = 0-2; Y = N, N-oxide], useful for the treatment of depression, obsessive compulsive disorder, panic attacks, generalized anxiety disorder, social anxiety disorder, sexual dysfunction, eating disorders, obesity, addictive disorders caused by ethanol or cocaine abuse, and dysthymia, were prepared. Thus, reacting 3-(1,2,3,6-tetrahydro-4-pyridyl)-1H-indole with 2-bromo-3-[(2S)-oxiranylmethoxy]pyridine (yield 71%) followed by cyclization of the intermediate afforded 52% (S)-II which showed Ki of 14.30 nM against 5-HT1A receptor binding.

IT 473996-68-8P 473996-69-9P 473996-70-2P
473996-71-3P 473996-72-4P 473996-73-5P
473996-74-6P 473996-75-7P 473996-81-5P
473996-82-6P 473996-83-7P 473996-84-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of antidepressant azaheterocyclylmethyl derivs. of 1,4-dioxino[2,3-b]pyridine)

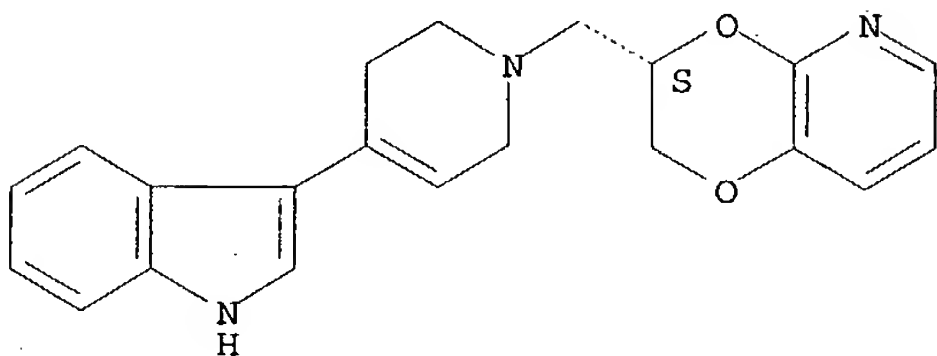
RN 473996-68-8 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-

10661182

pyridinyl)methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

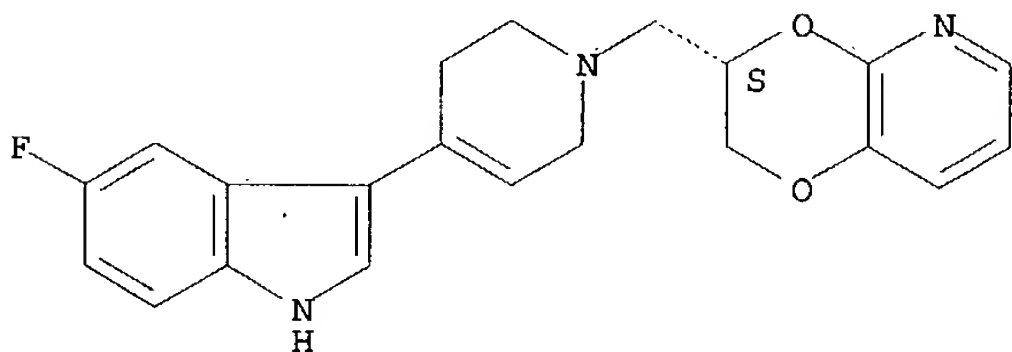
Absolute stereochemistry.



RN 473996-69-9 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

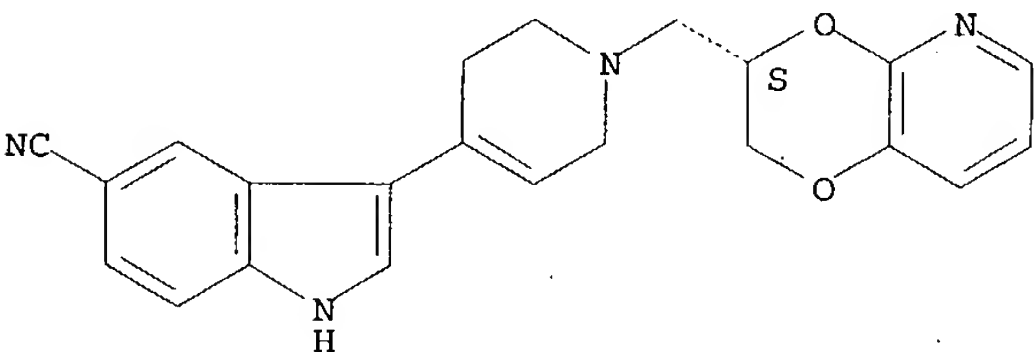
Absolute stereochemistry.



RN 473996-70-2 CAPLUS

CN 1H-Indole-5-carbonitrile, 3-[1-[[[(3S)-2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl]methyl]-1,2,3,6-tetrahydro-4-pyridinyl]- (9CI) (CA INDEX NAME)

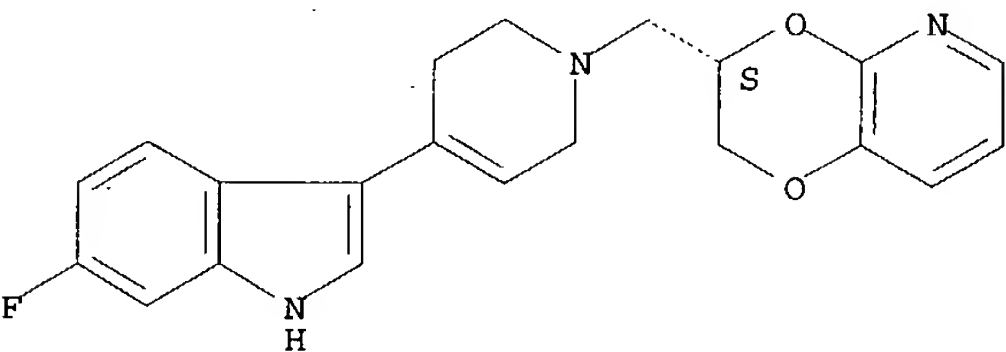
Absolute stereochemistry.



RN 473996-71-3 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 473996-72-4 CAPLUS

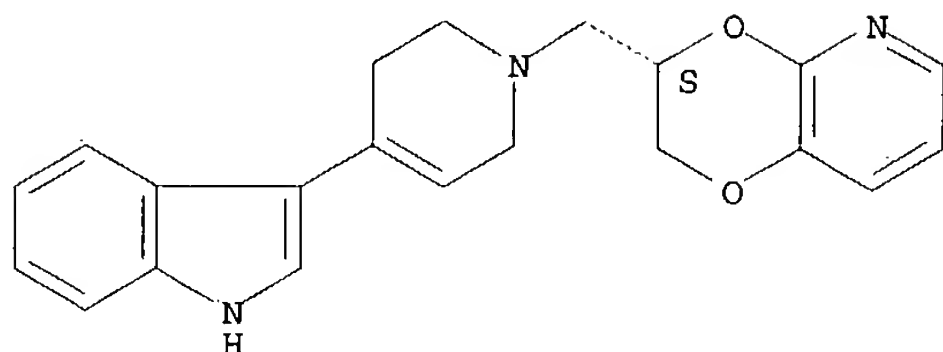
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

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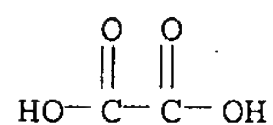
CRN 473996-68-8
CMF C21 H21 N3 O2

Absolute stereochemistry.



CM 2

CRN 144-62-7
CMF C2 H2 O4

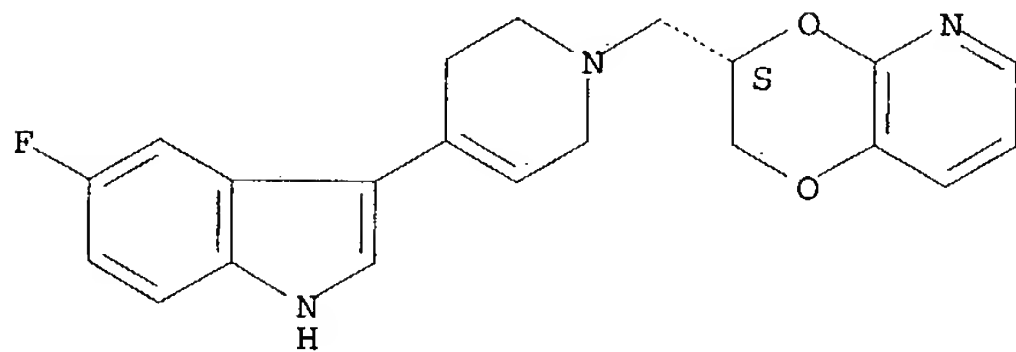


RN 473996-73-5 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

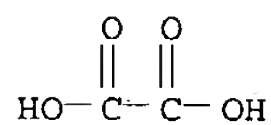
CRN 473996-69-9
CMF C21 H20 F N3 O2

Absolute stereochemistry.



CM 2

CRN 144-62-7
CMF C2 H2 O4



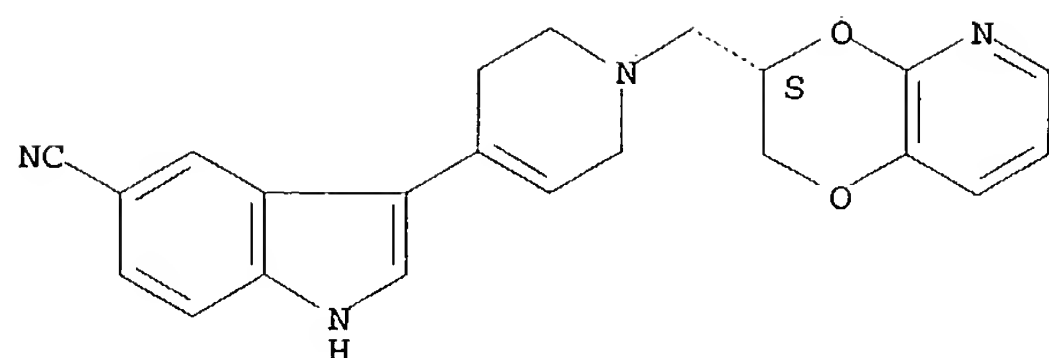
RN 473996-74-6 CAPLUS
CN 1H-Indole-5-carbonitrile, 3-[1-[[[(3S)-2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl]methyl]-1,2,3,6-tetrahydro-4-pyridinyl]-, ethanedioate (5:7) (9CI) (CA INDEX NAME)

CM 1

CRN 473996-70-2
CMF C22 H20 N4 O2

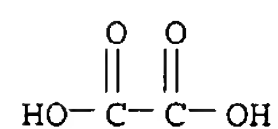
Absolute stereochemistry.

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CM 2

CRN 144-62-7
CMF C2 H2 O4

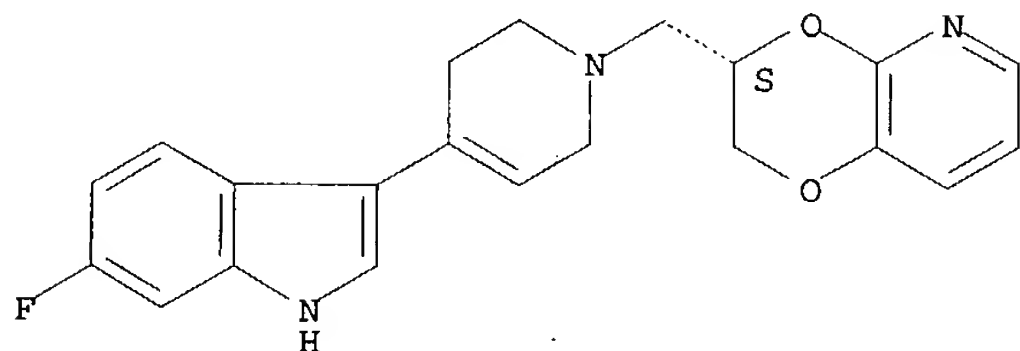


RN 473996-75-7 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

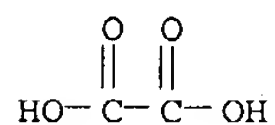
CRN 473996-71-3
CMF C21 H20 F N3 O2

Absolute stereochemistry.

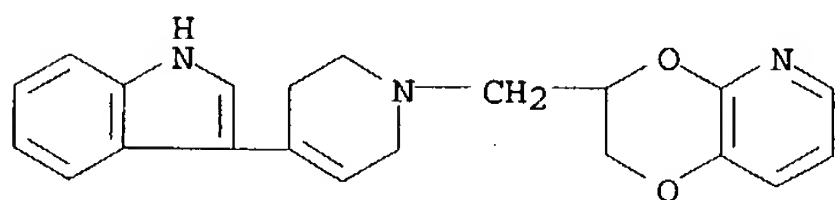


CM 2

CRN 144-62-7
CMF C2 H2 O4



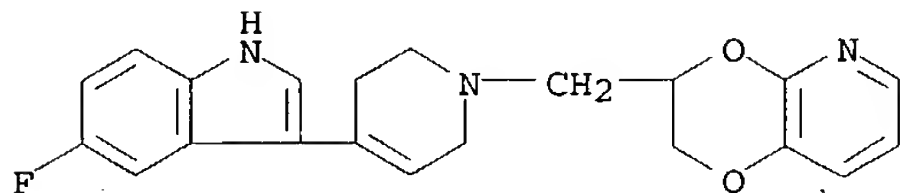
RN 473996-81-5 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-pyridinyl]methyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 473996-82-6 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-

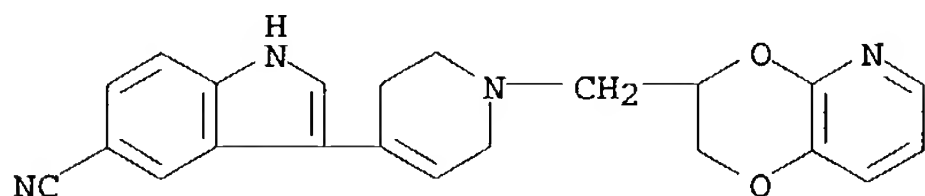
10661182

1(2H)-pyridinyl)methyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



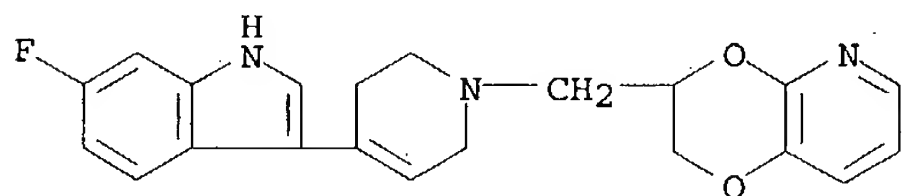
RN 473996-83-7 CAPLUS

CN 1H-Indole-5-carbonitrile, 3-[1-[(2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl)methyl]-1,2,3,6-tetrahydro-4-pyridinyl]- (9CI) (CA INDEX NAME)



RN 473996-84-8 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl)methyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT